## INTERNATIONAL SEARCH REPORT

International application No.

## PCT/KR2004/001056 CLASSIFICATION OF SUBJECT MATTER IPC7 A47K 11/00 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7 A47K, E03D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KR, JP: IPC as above Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category\* US 6178566 A (Nihon Shinko Co.) 30 JANUARY 2001---D1 1 See the whole document 1 US 5548856 A (Vincent D. Julian) 27 AUGUST 1996-D2 See the whole document 1 JP H4-176417 A (NIHON SHALIN CO.) 24 JUNE 1992--- D3 Α See the whole document KR 20-0294918 A (YANG, BYOUNG JUNE) 31 OCTOBER 2002---D4 See the whole document See patent family annex. X Further documents are listed in the continuation of Box C. "T" later document published after the international filing date or priority Special categories of cited documents: date and not in conflict with the application but cited to understand "A" document defining the general state of the art which is not considered to be of particular relevance the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be "E" earlier application or patent but published on or after the international considered novel or cannot be considered to involve an inventive filing date step when the document is taken alone document which may throw doubts on priority claim(s) or which is "Y" document of particular relevance; the claimed invention cannot be cited to establish the publication date of citation or other considered to involve an inventive step when the document is special reason (as specified) combined with one or more other such documents such combination "O" document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art "&" document member of the same patent family document published prior to the international filing date but later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 23 AUGUST 2004 (23.08.2004) 17 AUGUST 2004 (17.08.2004) Authorized officer Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea CHOI, Byoung Suk

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
D1- US6178566B1	30.01.2001	JP2000008459A TW408206B US6178566B1	11.01.200 11.10.200 30.01.200
D2,D3,D4		NONE	